ELSEVIER

Surface Science 343 (1995) 289–291

surface science

Author index

Agliz, D., A. Quémerais and D. Sébilleau, Splitting effects in high resolution and high energy photoelectron diffraction: the case of MgO(001) 343 (1995) 80
Aizawa, T., see Souda 343 (1995) 104
Andersen, J.N., see Lundgren 343 (1995) 37

Bao, S., see Schaff 343 (1995) 201
Benally, N.T., see Cornelison 343 (1995) 87
Benazeth, C., N. Benazeth, P. Benoit-Cattin, P. Cafarelli, S. Mouhammad and J.-P. Ziesel, Experimental charge fractions and angular distributions of particles scattered in Ne^+/Si interactions 343 (1995) 240
Benazeth, N., see Benazeth 343 (1995) 240
Bench, M.W., see Heffelfinger 343 (1995) L1161
Bengel, H., H.-J. Cantow, S.N. Magonov, H. Hillebrecht, G. Thiele, W. Liang and M.-H. Whangbo, Tip-force induced surface corrugation in layered transition metal trichlorides MCl_3 (M = Ru, Mo, Rh, Ir) 343 (1995) 95
Benoit-Cattin, P., see Benazeth 343 (1995) 240
Bibić, N., see Rakočević 343 (1995) 247
Block, J.H., see Medvedev 343 (1995) 169
Bowker, M., see Leibsle 343 (1995) L1175
Bradshaw, A.M., see Schaff 343 (1995) 201
Bullock, E., see Cornelison 343 (1995) 87
Burchhardt, J., see Lundgren 343 (1995) 37

Cafarelli, P., see Benazeth 343 (1995) 240
Canepa, M., P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176
Cantini, P., see Canepa 343 (1995) 176
Cantow, H.-J., see Bengel 343 (1995) 95
Cardona, M., see Wang 343 (1995) 31
Carter, C.B., see Heffelfinger 343 (1995) L1161
Casarin, M., C. Maccato, E. Tondello and A. Vittadini, A theoretical investigation of Brønsted acids chemisorption on ZnO(0001) 343 (1995) 115
Chen, A.K. and R. Masel, Direct conversion of methanol to formaldehyde in the absence of oxygen on Cu(210) 343 (1995) 17
Chrost, J. and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157
Colonell, J.I., see Gibson 343 (1995) L1151
Comsa, C., see Kuhnke 343 (1995) 44
Cornelison, D.M., T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87
Courths, R., see Matzdorf 343 (1995) L1182

Davis, R., see Schaff 343 (1995) 201
Diebold, U. and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53
Dillingham, T.R., see Cornelison 343 (1995) 87
Doi, T., M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24
Domen, K., see Kondo 343 (1995) 71

Ertl, G., see Greber 343 (1995) L1187
Esser, N., see Wang 343 (1995) 31

Fahmi, A., C. Minot, P. Fourré and P. Nortier, A theoretical study of the adsorption of oxalic acid on TiO_2 343 (1995) 261
Feder, R., see Halilov 343 (1995) 148
Fick, D., see Chrost 343 (1995) 157
Flowers, M.C., N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133
Fourré, P., see Fahmi 343 (1995) 261
Frederick, B.G., see Leibsle 343 (1995) L1175
Fritzsche, V., see Schaff 343 (1995) 201

Gewirth, A.A., see Sneddon 343 (1995) 185
Gibson, K.D., J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151
Gießel, T., see Greber 343 (1995) L1187
Gillan, M.J., see Kantorovich 343 (1995) 221
Goldmann, A., see Matzdorf 343 (1995) L1182
Greber, T., T. Gießel, C. Pettenkofer, H.C. Siegmann and G. Ertl, Substrate mediated autoionization of benzene on graphite 343 (1995) L1187

Halilov, S.V., J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148
Hammer, B. and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Haq, S., see Leibsle 343 (1995) L1175
Hayami, W., see Souda 343 (1995) 104
Heffelfinger, J.R., M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161
Henderson, M.A., Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156
Henk, J., see Halilov 343 (1995) 148
Heskett, D., see Lundgren 343 (1995) 37
Hillebrecht, H., see Bengel 343 (1995) 95
Hirose, C., see Kondo 343 (1995) 71
Hofmann, Ph., see Schaff 343 (1995) 201
Holender, J.M., see Kantorovich 343 (1995) 221
Hosoki, S., see Doi 343 (1995) 24

Ichikawa, M., see Doi 343 (1995) 24
Ishizawa, Y., see Souda 343 (1995) 104
Iwasawa, Y., see Sueyoshi 343 (1995) 1

Jonathan, N.B.H., see Flowers 343 (1995) 133

Kantorovich, L.N., J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221
Kern, K., see Kuhnke 343 (1995) 44
Kondo, J.N., T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71
Kubota, J., see Kondo 343 (1995) 71
Kuhnke, K., K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1×1) surface: a thermal energy helium scattering study 343 (1995) 44

Leibsle, F.M., S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175
Li, Y.S., see Wang 343 (1995) L1167
Liang, W., see Bengel 343 (1995) 95
Liu, Y., see Flowers 343 (1995) 133
Lundgren, E., R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-$(\sqrt{3} \times \sqrt{3})$R30°-Rb structures 343 (1995) 37

Maccato, C., see Casarin 343 (1995) 115
Magonov, S.N., see Bengel 343 (1995) 95
Masel, R., see Chen 343 (1995) 17
Mattera, L., see Canepa 343 (1995) 176
Matzdorf, R., R. Paniago, G. Meister, A. Goldmann and R. Courths, Giant temperature-dependence in angle-resolved ultraviolet-photoemission from Au(100) 343 (1995) L1182
Medvedev, V.K., Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169
Meister, G., see Matzdorf 343 (1995) L1182
Minot, C., see Fahmi 343 (1995) 261
Mitchell, K.A.R., see Wang 343 (1995) L1167
Morris, A., see Flowers 343 (1995) 133
Mouhammad, S., see Benazeth 343 (1995) 240

Narducci, E., see Canepa 343 (1995) 176
Nenadović, T., see Rakočević 343 (1995) 247
Ninomiya, K., see Doi 343 (1995) 24
Nørskov, J.K., see Hammer 343 (1995) 211
Nortier, P., see Fahmi 343 (1995) 261
Nyholm, R., see Lundgren 343 (1995) 37

Paniago, R., see Matzdorf 343 (1995) L1182
Pettenkofer, C., see Greber 343 (1995) L1187

Quémerais, A., see Agliz 343 (1995) 80

Rakočević, Z., S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247
Richardson, N.V., see Leibsle 343 (1995) L1175
Rohl, A.L., see Shluger 343 (1995) 273

Salvietti, M., see Canepa 343 (1995) 176
Sasaki, T., see Sueyoshi 343 (1995) 1
Schaff, O., A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201
Scheunemann, T., see Halilov 343 (1995) 148
Schindler, K-M., see Schaff 343 (1995) 201
Sébilleau, D., see Agliz 343 (1995) 80
Shinn, N.D., see Diebold 343 (1995) 53
Shluger, A.L., R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273
Sibener, S.J., see Gibson 343 (1995) L1151
Siegmann, H.C., see Greber 343 (1995) L1187
Sneddon, D.D. and A.A. Gewirth, In situ characterization of halide adsorption and Ag-halide growth on Ag(111) electrodes using atomic force microscopy 343 (1995) 185
Souda, R., K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104
Stampfl, A.P.J., see Schaff 343 (1995) 201
Štrbac, S., see Rakočević 343 (1995) 247
Suchorski, Yu., see Medvedev 343 (1995) 169
Sueyoshi, T., T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

Terreni, S., see Canepa 343 (1995) 176
Thiele, G., see Bengel 343 (1995) 95
Tondello, E., see Casarin 343 (1995) 115
Townsend, S.W., see Cornelison 343 (1995) 87

Vittadini, A., see Casarin 343 (1995) 115

Wang, D.T., N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

Wang, Y.M., Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167
Whangbo, M.-H., see Bengel 343 (1995) 95
Williams, R.T., see Shluger 343 (1995) 273
Woodruff, D.P., see Schaff 343 (1995) 201
Yamamoto, K., see Souda 343 (1995) 104
Yang, H., Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61
Yuzawa, T., see Kondo 343 (1995) 71
Zegenhagen, J., see Wang 343 (1995) 31
Ziesel, J.-P., see Benazeth 343 (1995) 240

ELSEVIER

Surface Science 343 (1995) 292–296

surface science

Subject index

THEORETICAL METHODS, MODELS AND TECHNIQUES

Ab initio quantum chemical methods and calculations

H. Yang, Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61

A. Fahmi, C. Minot, P. Fourré and P. Nortier, A theoretical study of the adsorption of oxalic acid on TiO_2 343 (1995) 261

Atomistic dynamics

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Computer simulations

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Construction and use of effective interatomic interactions

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Density functional calculations

M. Casarin, C. Maccato, E. Tondello and A. Vittadini, A theoretical investigation of Brønsted acids chemisorption on ZnO(0001) 343 (1995) 115

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

Electron density, excitation spectra calculations

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

Electron–solid interactions, scattering, diffraction

D. Agliz, A. Quémerais and D. Sébilleau, Splitting effects in high resolution and high energy photoelectron diffraction: the case of MgO(001) 343 (1995) 80

Green's function methods

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

Ion–solid interactions, scattering, channeling

R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

C. Benazeth, N. Benazeth, P. Benoit-Cattin, P. Cafarelli, S. Mouhammad and J.-P. Ziesel, Experimental charge fractions and angular distributions of particles scattered in Ne^+/Si interactions 343 (1995) 240

Models of surface chemical reactions

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

M. Casarin, C. Maccato, E. Tondello and A. Vittadini, A theoretical investigation of Brønsted acids chemisorption on ZnO(0001) 343 (1995) 115

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Models of surface kinetics

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

Semi-empirical models and model calculations

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

EXPERIMENTAL SAMPLE PREPARATION AND CHARACTERIZATION METHODS

Atom–solid reactions

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

Atom–solid scattering and diffraction – elastic

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1 × 1) surface: a thermal energy helium scattering study 343 (1995) 44

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

Atomic force microscopy

J.R. Heffelfinger, M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161

H. Bengel, H.-J. Cantow, S.N. Magonov, H. Hillebrecht, G. Thiele, W. Liang and M.-H. Whangbo, Tip-force induced surface corrugation in layered transition metal trichlorides MCl_3 (M = Ru, Mo, Rh, Ir) 343 (1995) 95

D.D. Sneddon and A.A. Gewirth, In situ characterization of halide adsorption and Ag-halide growth on Ag(111) electrodes using atomic force microscopy 343 (1995) 185

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Electron emission measurements

Photoemission (total yield)

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

T. Greber, T. Gießel, C. Pettenkofer, H.C. Siegmann and G. Ertl, Substrate mediated autoionization of benzene on graphite 343 (1995) L1187

Electron energy loss spectroscopy

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

Electron microscopy

J.R. Heffelfinger, M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161

Reflection electron microscopy (REM)

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

Electron–solid diffraction

Low energy electron diffraction (LEED)

Y.M. Wang, Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

Photoelectron diffraction

D. Agliz, A. Quémerais and D. Sébilleau, Splitting effects in high resolution and high energy photoelectron diffraction: the case of MgO(001) 343 (1995) 80

R. Matzdorf, R. Paniago, G. Meister, A. Goldmann and R. Courths, Giant temperature-dependence in angle-resolved ultraviolet-photoemission from Au(100) 343 (1995) L1182

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

Field ion microscopy

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Ion scattering spectroscopy

C. Benazeth, N. Benazeth, P. Benoit-Cattin, P. Cafarelli, S. Mouhammad and J.-P. Ziesel, Experimental charge fractions and angular distributions of particles scattered in Ne^+/Si interactions 343 (1995) 240

Low energy ion scattering (LEIS)

R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

Molecule–solid reactions

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

Nuclear magnetic resonance

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

Photoelectron spectroscopy

Angle resolved photoemission

R. Matzdorf, R. Paniago, G. Meister, A. Goldmann and R. Courths, Giant temperature-dependence in angle-resolved ultraviolet-photoemission from Au(100) 343 (1995) L1182

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

Soft X-ray photoelectron spectroscopy (using synchrotron radiation)

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-($\sqrt{3} \times \sqrt{3}$)R30°-Rb structures 343 (1995) 37

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

Photon absorption spectroscopy

Infrared absorption spectroscopy

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

X-ray absorption spectroscopy

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

Reflection spectroscopy

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

Scanning tunneling microscopy

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

Secondary ion mass spectroscopy

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

Sputter deposition

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

Thermal desorption spectroscopy

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

PHENOMENA

Adsorption kinetics

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Auger ejection

T. Greber, T. Gießel, C. Pettenkofer, H.C. Siegmann and G. Ertl, Substrate mediated autoionization of benzene on graphite 343 (1995) L1187

Catalysis

A.K. Chen and R. Masel, Direct conversion of methanol to formaldehyde in the absence of oxygen on Cu(210) 343 (1995) 17

Chemisorption

H. Yang, Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Evaporation and sublimation

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

Faceting

J.R. Heffelfinger, M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161

Field evaporation

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Friction

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Growth

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

Ion bombardment

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

Ion–solid interactions

R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

Nucleation

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

Oxidation

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Photoelectron diffraction

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

Photoelectron emission

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-$(\sqrt{3} \times \sqrt{3})$R30°-Rb structures 343 (1995) 37

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

Surface chemical reaction

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1×1) surface: a thermal energy helium scattering study 343 (1995) 44

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Surface diffusion

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

Surface electronic phenomena (work function, surface potential, surface states, etc.)

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

Surface energy

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

Surface relaxation and reconstruction

Y.M. Wang, Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-$(\sqrt{3} \times \sqrt{3})$R30°-Rb structures 343 (1995) 37

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1×1) surface: a thermal energy helium scattering study 343 (1995) 44

H. Bengel, H.-J. Cantow, S.N. Magonov, H. Hillebrecht, G. Thiele, W. Liang and M.-H. Whangbo, Tip-force induced surface corrugation in layered transition metal trichlorides MCl_3 (M = Ru, Mo, Rh, Ir) 343 (1995) 95

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

Surface segregation

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

Surface structure, morphology, roughness, and topography

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1×1) surface: a thermal energy helium scattering study 343 (1995) 44

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Surface thermodynamics (including phase transitions)

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-$(\sqrt{3} \times \sqrt{3})$R30°-Rb structures 343 (1995) 37

Thermal desorption

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

A.K. Chen and R. Masel, Direct conversion of methanol to formaldehyde in the absence of oxygen on Cu(210) 343 (1995) 17

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

Tribology

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Tunneling

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

Vibrations of adsorbed molecules

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

ELSEVIER

Surface Science 343 (1995) 297–300

surface science

Materials index

ELEMENTAL AND CHEMICAL IDENTITY

Elements

Alkali metals

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-($\sqrt{3} \times \sqrt{3}$)R30°-Rb structures 343 (1995) 37

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Aluminum

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-($\sqrt{3} \times \sqrt{3}$)R30°-Rb structures 343 (1995) 37

Carbon

R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

Copper

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Gold

R. Matzdorf, R. Paniago, G. Meister, A. Goldmann and R. Courths, Giant temperature-dependence in angle-resolved ultraviolet-photoemission from Au(100) 343 (1995) L1182

Graphite

T. Greber, T. Gießel, C. Pettenkofer, H.C. Siegmann and G. Ertl, Substrate mediated autoionization of benzene on graphite 343 (1995) L1187

Hydrogen

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

Manganese

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

Nickel

H. Yang, Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

Noble gases

R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

Platinum

A.K. Chen and R. Masel, Direct conversion of methanol to formaldehyde in the absence of oxygen on Cu(210) 343 (1995) 17

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1 × 1) surface: a thermal energy helium scattering study 343 (1995) 44

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Rhodium

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

V.K. Medvedev, Yu. Suchorski and J.H. Block, Oscillations of the CO oxidation on Rh induced by field-controlled Li coadsorption 343 (1995) 169

Silicon

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31
M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133
J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

Silver

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 76

Tin

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31
R. Souda, K. Yamamoto, W. Hayami, T. Aizawa and Y. Ishizawa, Electron promotion in low-energy rare-gas ion scattering from solid surfaces 343 (1995) 104

Zirconium

Y.M. Wang, Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167

Compounds (non-molecular solids)

Alkali halides

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Alloys

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Aluminum oxide

J.R. Heffelfinger, M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161

Halides

D.D. Sneddon and A.A. Gewirth, In situ characterization of halide adsorption and Ag-halide growth on Ag(111) electrodes using atomic force microscopy 343 (1995) 185

Magnesium oxides

D. Agliz, A. Quémerais and D. Sébilleau, Splitting effects in high resolution and high energy photoelectron diffraction: the case of MgO(001) 343 (1995) 80

Nickel oxides

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

Oxides

J.R. Heffelfinger, M.W. Bench and C.B. Carter, On the faceting of ceramic surfaces 343 (1995) L1161

Titanium dioxide

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

Titanium oxide

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53
A. Fahmi, C. Minot, P. Fourré and P. Nortier, A theoretical study of the adsorption of oxalic acid on TiO_2 343 (1995) 261

Molecules

Alcohols

A.K. Chen and R. Masel, Direct conversion of methanol to formaldehyde in the absence of oxygen on Cu(210) 343 (1995) 17

Alkenes

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

Aromatics

T. Greber, T. Gießel, C. Pettenkofer, H.C. Siegmann and G. Ertl, Substrate mediated autoionization of benzene on graphite 343 (1995) L1187

Benzoate

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

Biological molecules

Formyl
H. Yang, Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61

Carbon monoxide

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

Carboxylic acid

A. Fahmi, C. Minot, P. Fourré and P. Nortier, A theoretical study of the adsorption of oxalic acid on TiO_2 343 (1995) 261

Deuterium

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

Formate

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

Halogens

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

Hydrogen

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1 × 1) surface: a thermal energy helium scattering study 343 (1995) 44

B. Hammer and J.K. Nørskov, Electronic factors determining the reactivity of metal surfaces 343 (1995) 211

Nitrogen oxides

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1 × 1) surface: a thermal energy helium scattering study 343 (1995) 44

Oxygen

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

Y.M. Wang, Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

Polyaniline

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

Water

M. Canepa, P. Cantini, E. Narducci, M. Salvietti, S. Terreni and L. Mattera, Coexistence of OH phases on Ag(110) 343 (1995) 176

PHYSICAL STATE

Surfaces

Amorphous surfaces

D.M. Cornelison, T.R. Dillingham, E. Bullock, N.T. Benally and S.W. Townsend, In-situ scanning tunneling microscopy on vapor deposited polyaniline thin films 343 (1995) 87

Single crystal surfaces

M.A. Henderson, Mechanism for the bulk-assisted reoxidation of ion sputtered TiO_2 surfaces: diffusion of oxygen to the surface or titanium to the bulk? 343 (1995) L1156

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

E. Lundgren, R. Nyholm, J. Burchhardt, D. Heskett and J.N. Andersen, On the temperature induced transformation between the two Al(111)-($\sqrt{3} \times \sqrt{3}$)R30°-Rb structures 343 (1995) 37

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Low index single crystal surfaces

K.D. Gibson, J.I. Colonell and S.J. Sibener, Velocity distributions of recombinatively desorbed O_2 originating from surface and sub-surface oxygen/Rh(111) 343 (1995) L1151

Y.M. Wang, Y.S. Li and K.A.R. Mitchell, LEED analyses revisited for two structures formed by Zr(0001): the surface when clean and when containing sufficient oxygen to just extinguish the half-order beams 343 (1995) L1167

T. Sueyoshi, T. Sasaki and Y. Iwasawa, Reactive oxygen atoms on Cu(110) formed at 100 K: vibrational spectra and CO oxidation 343 (1995) 1

K. Kuhnke, K. Kern and C. Comsa, Preparation and thermal stability of the clean metastable Pt(100)-(1 × 1) surface: a thermal energy helium scattering study 343 (1995) 44

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

D. Agliz, A. Quémerais and D. Sébilleau, Splitting effects in high resolution and high energy photoelectron diffraction: the case of MgO(001) 343 (1995) 80

F.M. Leibsle, S. Haq, B.G. Frederick, M. Bowker and N.V. Richardson, Molecularly induced step faceting on Cu(110) surfaces 343 (1995) L1175

R. Matzdorf, R. Paniago, G. Meister, A. Goldmann and R. Courths, Giant temperature-dependence in angle-resolved ultraviolet-photoemission from Au(100) 343 (1995) L1182

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

O. Schaff, A.P.J. Stampfl, Ph. Hofmann, S. Bao, K-M. Schindler, A.M. Bradshaw, R. Davis, D.P. Woodruff and V. Fritzsche, Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study 343 (1995) 201

A. Fahmi, C. Minot, P. Fourré and P. Nortier, A theoretical study of the adsorption of oxalic acid on TiO_2 343 (1995) 261

Stepped single crystal surfaces

M.C. Flowers, N.B.H. Jonathan, Y. Liu and A. Morris, Temperature programmed desorption from the Si(100):Br and Si(100):D/Br surfaces: theory and experiment 343 (1995) 133

Vicinal single crystal surfaces

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

Surface defects

J.N. Kondo, T. Yuzawa, J. Kubota, K. Domen and C. Hirose, IRAS study of hydroxyl species on NiO/Ni(110): formation and isotope exchange reaction 343 (1995) 71

L.N. Kantorovich, J.M. Holender and M.J. Gillan, The energetics and electronic structure of defective and irregular surfaces on MgO 343 (1995) 221

A.L. Shluger, R.T. Williams and A.L. Rohl, Lateral and friction forces originating during force microscope scanning of ionic surfaces 343 (1995) 273

Interfaces

Single crystal epitaxy

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

Solid–liquid interfaces

D.D. Sneddon and A.A. Gewirth, In situ characterization of halide adsorption and Ag-halide growth on Ag(111) electrodes using atomic force microscopy 343 (1995) 185

Adatoms

J. Chrost and D. Fick, Nuclear spin relaxation of Li adsorbed on Si(111): local density of states and diffusion 343 (1995) 157

Clusters

H. Yang, Ab initio adsorption studies of HCO on Ni(111) 343 (1995) 61

Z. Rakočević, S. Štrbac, N. Bibić and T. Nenadović, Surface diffusion of clusters and thin film growth 343 (1995) 247

ELECTRICAL AND MAGNETIC BEHAVIOR

Surfaces and / or films

Magnetic films

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

Magnetic surfaces

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

Semiconducting surfaces

T. Doi, M. Ichikawa, S. Hosoki and K. Ninomiya, Activation energies of Si adsorbate diffusion on a Si(001) surface 343 (1995) 24

Interfaces

Metal–insulator interfaces

U. Diebold and N.D. Shinn, Adsorption and thermal stability of Mn on TiO_2(110): 2p X-ray absorption spectroscopy and soft X-ray photoemission 343 (1995) 53

Heterostructures and thin film structures

Metal–metal magnetic thin film structures

S.V. Halilov, J. Henk, T. Scheunemann and R. Feder, Model calculation of magnetic surface states in multilayer systems 343 (1995) 148

Semiconductor–semiconductor thin film structures

D.T. Wang, N. Esser, M. Cardona and J. Zegenhagen, Epitaxy of Sn on Si(111) 343 (1995) 31